

IGS UPRATE PROJECT STAFF UPDATE

Meeting Agenda

Date: August 29, 2002
1:00 PM, Conference Room 4

Purpose of the Meeting

To update IPSC Staff on the progress, schedule and problems with uprating IGS units. To get instruction, direction and approval as needed for successful completion of the project.

1. Update on Boiler Modifications

Awarded to Babcock-Borsig

Full over-fire air system with pendants

Third party model to verify their design

Permitting issues associated with over-fire air

2. Status of Helper Cooling Tower

Weyher has started work on the basin

Award of Tower Erection 515 + 451C

Cooling tower parts are arriving

CEntry is working on the electrical design

May not be ready by end of outage but, will be ready when hot weather arrives

3. Plans to solve transformer overheating

Discussion on proposals for oxidizing air for the scrubber

4. Status of circ water make-up project

5. Plan and schedule for ID Fan Drive Replacement

6. Status of DCS Project

7. Other items

1.5 Sec
109.0 FA

BURNERS

#1

37 New Design
CO
Control

1.5 Sec
109.0 FA

MORE RADIATORS

Having
Transformation

NOI?

BV/MASselects
B&W/UPS/ALUSTON

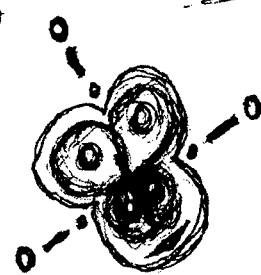
Rectifiers

Transformers

ORBSOURCE
LCI is PWM

Timeline
Westinghouse/Foxboro

Summers
ESCOR
vs
Honeywell



IPSC CAPITAL BUDGET 2002-2003

PROJECT LIST

(\$1,000's)

Revised 10/29/2002

Project #	Title	2001-02	2002-2003					Change	New Total	2003-2004	Project Total
			Eng. Labor	IPSC Labor	Contractor	Material	Total				
IGS98-03*	Modicon Upgrade	206	10	45	0	185	240	120	360	0	1,156**
IGS99-05*	Taylor Chart Recorder Upgrade	65	1	5	0	59	65	0	65	65	299**
IGS00-03*	Cooling Tower Betterments	410	5	0	1,600	800	2,405	-2,405	0	2,405	5,630**
IGS01-02*	HP Turbine Dense Pack Modification	5,505	5	0	0	4,500	4,505	0	4,505	0	10,010
IGS01-03*	Distributed Control System Replacement	40	174	105	550	0	829	-385	444	4,653	14,800**
IGS01-06*	Increase Circulating Water Make-Up Capacity	93	3	10	0	20	33	150	183	0	276
IGS01-07*	Transformer Bushing Monitoring System	55	5	10	0	40	55	0	55	0	110
IGS01-08*	Scrubber Outlet Modifications and Rebuild	4,000	5	0	2,300	1,995	4,300	-1,500	2,800	1,500	9,800
IGS01-10*	GSB Air Conditioning Upgrade	85	4	0	350	0	354	150	504	0	439
IGS01-14*	Replace Bentley Vibration Systems	43	3	5	0	70	78	0	78	214	335
IGS01-15*	BFP Torquemeter Replacement	48	2	2	0	72	76	48	124	58	182
IGS01-17*	Retractable Packing for IP Turbine	230	2	3	25	200	230	-30	200	0	460
IGS01-19*	Increase Boiler Safety Relief Capacity	83	2	55	0	25	82	0	82	0	165
IGS01-21*	Isolated Phase Bus Duct Cooling	110	5	5	100	0	110	100	210	0	220
IGS01-23*	Boiler Feed Pump Re Rate	108	2	2	0	374	378	0	378	376	862
IGS01-24*	6A, 6B Heater Drain Line Modification	70	5	20	5	20	50	80	130	0	120
IGS02-01	Miscellaneous Small Capital Projects	0	11	16	0	23	56	0	56	0	56
IGS02-02	Helper Cooling Tower	340	6	2	3,000	2,000	5,008	660	5,668	0	6,008
IGS02-03*	Generator Step-Up Transformer Cooling Modifications	0	1	9	0	50	60	290	350	60	120
IGS02-04*	Generator Monitoring & Cooling	0	10	15	425	0	450	-150	300	250	700
IGS02-05	Replace Polymer Feed System at Sludge	0	5	5	0	20	30	-30	0	30	30
IGS02-06*	Turbine Area Sump Pump Replacement	0	1	2	0	27	30	0	30	30	60
IGS02-07*	ID Fan Drive Replacements	0	10	20	70	675	975	-900	75	900	7,275**
IGS02-08	Replace Admin Building Condensing Units	0	1	1	20	180	202	0	202	0	202
IGS02-09	Replace PA Flow Instrumentation	0	10	20	0	106	136	0	136	136	272
IGS02-10	Jib Crane for Sandblast Facility	0	2	5	0	23	30	0	30	0	30
IGS02-11	Convert Fly Ash Feeders to AC Drives & Motors	0	1	3	0	12	16	0	16	0	16
IGS02-12*	Scrubber Reaction Tanks Forced Oxidation System	0	4	0	1,996	0	2,000	-1,500	500	3,000	3,500
IGS02-13*	Bar Code Terminals Replacement & Programming	0	5	0	0	8	13	0	13	11	24
IGS02-14*	Boiler Modifications	0	10	0	1,500	2,500	4,010	0	4,010	4,500	8,510
IGS02-15	Site Security Modifications	0	5	5	20	120	150	150	0	0	150
IGS Unidentified Capital Projects		0	5	10	10	50	75	0	75	75	75
IGS Totals		11,491	320	380	11,971	14,360	27,031	-5,152	21,579	18,263	71,892
IGS01-05	Acid Feed System for Bottom Ash							185			
IGS01-11	Pulverizer Maintenance Crane							90			
	Miscellaneous Small Capital Projects							30			
	Rotary Plow Feeders							40			
Total Carryover								345			
IGS Totals Modified								-4,807	21,924	18,263	71,892
ICS00-01	Operator Training Simulator	30	6	0	0	30	36			0	16
ICS Unidentified Capital Projects		0	1	2	0	12	15			18,263	18,344
Total ICS Capital Projects		30	7	2	0	42	51			18,338	18,419
Total Capital Projects		11,521	327	382	11,971	14,402	27,082	-1,807	21,975	18,263	71,892
Total (5) Unit Upgrade Projects		6,309	149	112	6,030	9,480	24,881	NA	15,816	4,150	18,631

Notes:

1. * Multi-Year Project
2. **Project Total includes funds from budget years not shown on table, see detailed justification form
3. Gray shaded boxes indicate that this project is part of the plant uprate project

Modified for staff to indicate anticipated expenditures for this fiscal year. Not as shown on budget.

IP7_040306